WELCOME
ROLE OF HOTELS IN ECOTOURISM INITIATIVES

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SURAT : 22 NOVEMBER
WHAT A SHAME!!
FUNDAMENTAL CONCEPTS

1. CONCEPT OF PERPETUAL SUSTAINABILITY
   - Why only Long Term
   - Future Generations

2. TOURISM / HOTELS
   HIGH CONSUMPTION OF ENERGY & RESOURCES
   HIGH WASTAGE AND POLLUTANTS

3. HIGHER EXPERIENCE - HIGHER COST

4. UNCONTROLLED TOURISM & HUMAN INTERVENTION – CLIMATE CHANGE
   - 2030 DESERT -2 EARTHS
   - ICEBERG MELTING-100 TIMES FASTER
IDEAL CYCLE OF PERPETUAL SUSTAINABILITY

EARTH (MINERALS & METALS)

WATER

AIR

SUN, (LIGHT & ENERGY)

CONSUMED

MAN

ANIMAL

PLANT

RECYCLES/AIR

SOLID & LIQUID WASTE & GAS

EFFORT TO CONVERT & RECYCLE

FERTILIZER

RECYCLED MATERIAL

WATER/GAS

ENERGY

ZERO WASTE
WHERE ARE WE WRONG ??

1. SHEER PRESSURE OF POPULATION GROWTH CAUSING HIGH RATE OF DEPLETION OF NATURAL RESOURCES

2. BASIC HUMAN GREED TO CONSUME MORE & MORE

3. LACK OF EDUCATION, AWARENESS & SENSITIZATION

4. AT THE CONVERSION AND RECYCLING STAGE IN THE CYCLE OF PERFECTUAL SUSTAINABILITY.
WHY HOTELS??

1. NEED FOR BEING RESPONSIBLE – HIGH PRODUCTION OF POLLUTING BY PRODUCTS
   - CHEMICAL OILS, PLASTICS, WET & DRY GARBAGE
   - REDUCE, REUSE, RECYCLE CONCEPT

2. CONTRIBUTES TO BOTTOM LINE – HLP IS 12-13% OF SALE
   EXAMPLE SALE – 10 CRORES.
   ENERGY COST – 1.2 CRORES
   IF WE SAVE 20% - 24 LAKHS – DIRECTLY TO PROFIT.

3. COST, EFFICIENCY, LEADERSHIP BY EXAMPLE.

4. SET NEW BENCHMARKS & BEST PRACTICES FOR OTHERS TO EMULATE

5. EFFICIENCY ENHANCES LIFE OF MACHINE. THUS REDUCING
   LIFE CYCLE COST VS. UPFRONT COST (WHICH IS HIGH)

HOWEVER CONSERVE ENVIRONMENT WITHOUT COMPROMISING GUEST EXPERIENCE
ESSENTIAL ELEMENTS IN HOTELS

1. **GARBAGE SEGREGATION AT SOURCE**
2. **STRICT CONSERVATION ENFORCEMENT BY LAYING GUIDLINES.**
3. **NO COMPROMISE ON ENVIRONMENT MATTERS.**
4. **LONG TERM PLANS – NOT SHORT TERM PROJECTS.**
5. **TRAINING OF STAFF INTERNAL WORKSHOP**
6. **IDENTIFY ECONOMIC BENEFIT & COMMUNICATE.**
7. **SHARE BEST PRACTICES.**
8. **MAKE IT A CSR INITIATIVE.**
9. **ENERGIZE & REWARD CREATIVE IDEAS – ENCOURAGE PARTICIPATION.**
GUIDELINES FOR ECOTOURISM PROJECTS

INFRASTRUCTURE

• REUSE LOCAL BUILDING MATERIALS FOR THE CONSTRUCTION OF THE BUILDING.

• USE LOCALLY MANUFACTURERED PRODUCTS & HANDICRAFTS FOR HOTEL INTERIORS.

• USE OF NATURAL MATERIALS FOR PAINTING WALLS ETC – AVOID CHEMICALS

• WHITE AND / OR REFLECTIVE ROOF & GLASS – SOLAR ENERGY

• PLANTATION INSIDE THE HOTELS, LODGES AND RESORTS BOUNDARY.
GUIDELINES FOR ECOTOURISM PROJECTS

AIR

- **INDOOR PLANTATION, AVOID ARTIFICIAL ROOM FRESHENER**
- **REGULAR SERVICING AND CLEANING OF THE AIR FILTERS IN THE ROOMS AND COMMON AREAS.**
- **USAGE OF NON OR LESS CARBON EMITTING EQUIPMENTS**
- **INSTALLATION OF PROPER VENTILATION & TEMPERATURE CONTROL SYSTEM.**
- **NON-SMOKING AREA SIGNAGES.**
GUIDELINES FOR ECOTOURISM PROJECTS

➢ WATER

➢ RAIN WATER HARVESTING.

➢ WATER RECHARGE SYSTEM.

➢ SOILED/ GREY WATER RECYCLING AND REUTILIZATION & GROUND WATER PURIFICATION.

➢ CHANGING TOWELS, SHEETS AND OTHER LINEN ON DEMAND.

➢ REGULAR CHECKING OF WATER DISTRIBUTION CHANNELS FOR LEAKS.

➢ ENCOURAGE AND MOTIVATE STAFF FOR WATER CONSERVATION.

➢ SAVE DRINKING WATER - PRACTICES
GUIDELINES FOR ECOTOURISM PROJECTS

➢ ENERGY

➢ USE ENERGY SAVING LIGHTING TECHNIQUES & USE OF ENERGY EFFICIENT TOOLS.- SOLAR COOKING

➢ USE OF SOLAR LIGHTING.

➢ USE GAS OR INDUCTION RANGES INSTEAD OF ELECTRIC RANGES.

➢ SIGNAGE TO ENCOURAGE AND MOTIVATE GUESTS FOR ENERGY CONSERVATION.

➢ ENCOURAGE AND MOTIVATE STAFF FOR ENERGY CONSERVATION.

➢ PROPER MAINTENANCE OF CHILLED WATER ETC, PIPELINES
GUIDELINES FOR ECOTOURISM PROJECTS

➢ WASTE

➢ SEPARATE COLLECTION AND DISPOSAL OF WASTE PRODUCED.

- PLASTICS / BURN.?
- WET GARBAGE - Composte
- DRY WASTE - Recycle

➢ USE OF REUSABLE OR RECYCLABLE PRODUCTS.

➢ REUSE PAPERS WHICH HAVE ALREADY BEEN PRINTED ON ONE SIDE.

➢ USE OF REUSABLE CLOTH FOR LAUNDRY BAGS.

➢ USE NATURALLY SCENTED, NON-TOXIC, PHOSPHATE-FREE, BIO-DEGRADABLE CLEANING PRODUCTS FOR HOUSEKEEPING.

➢ ENCOURAGE AND MOTIVATE STAFF FOR WASTE CONSERVATION.
GUIDELINES FOR NATURAL / WILDLIFE LODGES

➢ SEWAGE

• EITHER CONNECTIVITY WITH PUBLIC SEWAGE LINE OR ONSITE SEWAGE TREATMENT PLANT.

• RECYCLE OR REUSE SEWAGE WASTE / WATER.

➢ PROHIBITED

➢ USE OF FIRE WOOD

➢ DISCHARGE OF AFFLUENTS AND SOLID WASTE IN NATURAL WATER BODIES OR TERRESTRIAL AREA

➢ CONSTRUCTION ACTIVITY- 300 METERS FROM THE BOUNDARY WALL OF THE PARK
➢ RECOMMENDED

➢ RAIN WATER HARVESTING
➢ ORGANIC FARMING
➢ USE OF RENEWABLE ENERGY SOURCES
➢ ADOPTION OF GREEN TECHNOLOGIES FOR ALL ACTIVITIES
➢ REDUCE, REUSE, RECYCLE
➢ LOCAL FOOD PRODUCTS – MINIMISE CARRYING COST
SOME NEW IDEAS AND PRACTICES

1) NO TUB – SHOWER CUBICLE – NOT GLASS – HIGH MANUFACTURING ENERGY BUCKET BATH *(Embedded Energy)*

2) LOW FLOW SHOWERS & TAPS/ DUAL SYSTEM WC/ WATERLESS URINALS

3) WATER & ELECTRICITY METER FOR GUEST – MOTIVATE.

4) DIVERT COLD WATER BACK IN SYSTEM BEFORE HOT WATER COMES.

5) AIRCRAFT STYLE TOILETS IN ROOMS (Need Suction).

6) SMALL MIRROR SIZE – HIGH EMBEDDED COST.

7) USE RUBBER WOOD – NOT TROPICAL FOREST WOOD.

8) REDUCE ROOM SIZE & HEIGHT OF ROOM – AC COST.

9) SOLAR REFLECTORS ON WINDOWS – GENERATE POWER.

10) REMOVE FRIDGE (ON DEMAND).

11) ALLUMINIUM / STEEL – HIGH EMBEDDED COST.
SOME NEW IDEAS AND PRACTICES

12. **MINIMIZE** QUEEN / DOUBLE BEDS – JOIN SINGLES (LINEN WASHING)
13. **COTTON** MATTRESS – NO FOAM – A C IMPACT.
14. **NO BLANKET OR DUVEE** – AC IMPACT.
15. **NO SUITS / TIES** – CONFERENCE - WORK (A.C – IMPACT)
16. **PRESET** A.C. AT 21 DEGREE CENTIGRADE
17. **NO FLOWERS** – LIVE POTTED PLANTS.
18. **HAND MADE & RECYCLED PAPER.**
19. **CFL / LED** LAMPS USE.
20. **SINGLE** NEWSPAPER – ADDITIONAL ON DEMAND
21. **BAN** ON USE OF **PLASTIC** SACHETS OF SHAMPOO, SOAP, OIL ETC
22. **WATER SERVICES AT REQUESTS – NO BOTTLES**

BACK TO BASICS?
#6 You Can Often Find This Kind Of Toilet In Japan. Wash Your Hands And Reuse The Water For Your Next Flush
Humble request

By the next 10 years, Earth will become 4 degrees hotter than its now. Himalayan glaciers are melting at a rapid rate, so all of us lend our hand to fight global warming. Plant more trees, don't waste water. Don't use or burn plastics. Pl don't delete message without forwarding atleast one.... or lakh people. Because one can't fight against the global warming.

Thank you.
TO ACHIEVE RESULTS

- INCENTIVES TO GUEST.
- INCENTIVES TO STAFF.
- CONSTANT FEEDBACK & INCENTIVES TO MANUFACTURERS, VENDORS, DISTRIBUTORS, ARCHITECTS
- INNOVATE STATISTICS – AVERAGE CONSUMPTION PER GUEST (ARR ?) – Set reduction targets.
- APPOINT ENERGY AUDITOR
- ENERGY SAVED ALSO SAVES – DISTRIBUTION, TRANSMISSION LOSSES.
- IMPACTS ON COSTS
ABOVE ARE SOME THOUGHTS

PLENTY MORE

LET'S WORK TOGETHER

THANK YOU